

ADAPTIVE REFLECTING SYSTEM

ABSTRACT OF THE DISCLOSURE

5 A system which features an actuator mechanism for controlling orientations of reflecting surfaces of an optical reflector or antenna is disclosed. As integrated into the system, the actuator may control both pan and tilt characteristics of reflective surfaces to create an adaptive system for focusing or otherwise directing light or other radiation. The invention is suited to large
10 aperture, low density, and high surface accuracy segmented optical or other electromagnetic wave receivers needed for terrestrial and space-deployed applications in fields such as astronomy, communications, earth imaging, and directed energy.